

DISCRETE APPLIED MATHEMATICS
VOLUME 49, NUMBERS 1–3, 30 MARCH 1994
SPECIAL VOLUME: VIEWPOINTS ON OPTIMIZATION

Abstracted/Index in: ACM Computing Reviews, Cambridge Scientific Abstracts, Current Contents: Physical, Chemical & Earth Sciences, Engineering Index/Compendex, INSPEC Information Services, International Abstracts in Operations Research, Mathematical Reviews, PASCAL, Science Citation Index, Statistical Theory and Method Abstracts, Zentralblatt für Mathematik.

CONTENTS

Preface	1
<i>O. Bahn, J.L. Goffin, J.P. Vial and O. Du Merle</i> Experimental behavior of an interior point cutting plane algorithm for convex programming: an application to geometric programming	3
<i>H.-J. Bandelt, Y. Crama and F.C.R. Spieksma</i> Approximation algorithms for multi-dimensional assignment problems with decomposable costs	25
<i>A. Billionnet and M.-C. Costa</i> Solving the uncapacitated plant location problem on trees	51
<i>G.S. Bloom and S. Ruiz</i> Decompositions into linear forests and difference labelings of graphs	61
<i>R. Brewster</i> The complexity of colouring symmetric relational systems	95
<i>P. Brucker, B. Jurisch and B. Sievers</i> A branch and bound algorithm for the job-shop scheduling problem	107
<i>P. Chretienne</i> Tree scheduling with communication delays	129
<i>M. Cochand</i> Probabilistic estimates for the generalized maximum satisfiability problem	143
<i>D. de Werra and Y. Gay</i> Chromatic scheduling and frequency assignment	165
<i>D. Fayard and G. Plateau</i> An exact algorithm for the 0-1 collapsing knapsack problem	175
<i>A. Freville and G. Plateau</i> An efficient preprocessing procedure for the multidimensional 0-1 knapsack problem	189
<i>J.A. Gallian</i> A guide to the graph labeling zoo	213

<i>F. Glover</i>	
Tabu search for nonlinear and parametric optimization (with links to genetic algorithms)	231
<i>A. Hertz, B. Jaumard and M.P. de Aragão</i>	
Local optima topology for the k -coloring problem	257
<i>B. Leclerc</i>	
Medians for weight metrics in the covering graphs of semilattices	281
<i>F. Margot</i>	
Some complexity results about threshold graphs	299
<i>U.N. Peled and B. Simeone</i>	
An $O(nm)$ -time algorithm for computing the dual of a regular Boolean function	309
<i>U. Peled and F. Sun</i>	
Total matchings and total coverings of threshold graphs	325
<i>F.S. Roberts and Y. Xu</i>	
On the optimal strongly connected orientations of city street graphs IV: Four east-west avenues or north-south streets	331
<i>H.D. Sherali, S. Ramachandran and S.-i. Kim</i>	
A localization and reformulation discrete programming approach for the rectilinear distance location-allocation problem	357
AUTHOR INDEX	379